

## INTERNATIONAL SEARCH REPORT

PCT/IB 04/00858

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L12/28 H04L12/64 H04L12/46

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/152346 A1 (EYER MARK KENNETH ET AL.) 17 October 2002 (2002-10-17) abstract figures 2-6, 8-10 paragraphs '0008!-'0014! paragraphs '0027!-'0063!	1-41
A	WO 99/65196 A (MERLOT COMMUNICATIONS INC.; SETARO JOSEPH (US); EVANS PATRICK A. (US)) 16 December 1999 (1999-12-16) abstract page 14-15 page 17-38 figures 2,3	1-41
	---	
	---/---	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

29 June 2004

07/07/2004

NL

Address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Jurca, A

## INTERNATIONAL SEARCH REPORT

PCT/IB 04/00858

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HIROSHI SHIMIZU ET AL.: "IVDLAN STANDARDIZATION AND DEVELOPMENT" IEICE TRANSACTIONS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP., vol. E74, no. 9, 1 September 1991 (1991-09-01), pages 2696-2702, XP000271990 ISSN: 0917-1673 abstract page 2696, right-hand column -page 2699, left-hand column figures 1,2,4,5,7	1-41
A	EP 0 596 652 A (NAT. SEMICONDUCTOR CORP.) 11 May 1994 (1994-05-11) abstract page 2-4 figures 2,3	1-41
A	WO 98/11686 A (EVENSEN KAREN ;TROXEL ROBERT (US); WAKAI BRUCE M (US); BOOTH MARC) 19 March 1998 (1998-03-19) abstract page 5, line 29 -page 8, line 5 page 10 -page 11, line 11 page 20, line 22-29 page 25; line 16 -page 27, line 5 figures 1,12,13	1-41
A	US 2001/037422 A1 (BOESCH THOMAS ET AL) 1 November 2001 (2001-11-01) figures 1,3 paragraphs '0003!-'0019! paragraphs '0023!-'0030'	1-41
A	EP 1 124 357 A (CANON KK) 16 August 2001 (2001-08-16) cited in the application abstract paragraphs '0017!-'0035! paragraphs '0128!-'0159! paragraphs '0194!-'0248! figures 3,11	1-41

## INTERNATIONAL SEARCH REPORT

PCT/IB 04/00858

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002152346	A1	17-10-2002	US 2003133476 A1	17-07-2003
WO 9965196	A	16-12-1999	AU 4554599 A	30-12-1999
			CA 2334219 A1	16-12-1999
			EP 1086556 A1	28-03-2001
			WO 9965196 A1	16-12-1999
			US 6577631 B1	10-06-2003
			US 6570890 B1	27-05-2003
			US 6574242 B1	03-06-2003
			US 6539011 B1	25-03-2003
			US 6215789 B1	10-04-2001
EP 0596652	A	11-05-1994	US 5544324 A	06-08-1996
			DE 69324437 D1	20-05-1999
			DE 69324437 T2	11-11-1999
			EP 0596652 A1	11-05-1994
			JP 6216908 A	05-08-1994
WO 9811686	A	19-03-1998	AU 4256697 A	02-04-1998
			WO 9811686 A2	19-03-1998
US 2001037422	A1	01-11-2001	AU 3767301 A	27-08-2001
			AU 4098601 A	27-08-2001
			EP 1256197 A2	13-11-2002
			EP 1256207 A2	13-11-2002
			WO 0161898 A2	23-08-2001
			WO 0161939 A2	23-08-2001
			US 2001024455 A1	27-09-2001
EP 1124357	A	16-08-2001	FR 2804812 A1	10-08-2001
			EP 1124357 A1	16-08-2001
			US 2001040896 A1	15-11-2001